

Revit Architecture – Level I

CAD 211 – July 2011 – Tuition: \$400



Class Description:

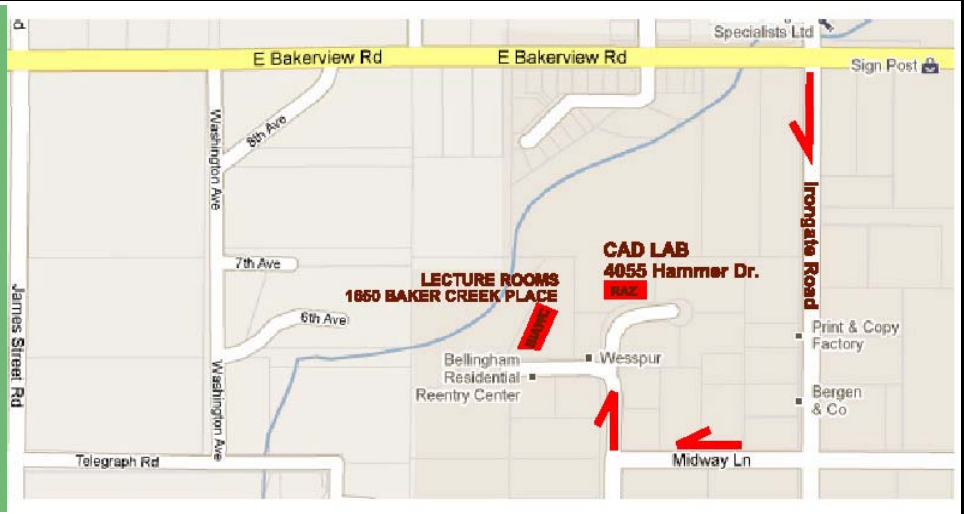
This course covers the basics of Revit Architecture, from schematic design through construction documentation. Students will be introduced to concepts of Building Information Modeling (BIM) and the tools for parametric building design and documentation. The class focuses on project driving learning with a residential project including: plans, elevations, section, schedules, details, and legends.

Location:

WEI CAD Lab:
4055 Hammer Drive, Suite B2
Bellingham, WA 98226

Directions:

East on Bakerview Road
Turn right onto Irongate Road
Turn right onto Midway Lane
Turn right onto Hammer Drive
Park in back of building



Dates and Times:

The class is scheduled to run on **Tuesday and Thursday evenings at 6:00-9:00 PM from July 5th to July 28th**. This provides (8) evening classes to cover the course material. Please see the Class Calendar on the third page for course material.

Tuition and Registration:

Tuition must be paid before the class begins. Program enrolled students have seniority for this class and should register online three-weeks before the class begins. Continuing education students may begin registering online two-weeks before the class begins. Students may also send class registrations by mail to the following address:

Washington Engineering Institute
Registration Office
PO Box 483
Custer WA 98240

School Provided Materials:

- **Lecture Notes:** The school provides lecture handouts as needed.
- **Temporary School Laptop:** Enrolled students should obtain their own laptop and install Revit Architecture 2011 as soon as possible. However, you may temporarily borrow a school laptop during lecture times, but you will not have it to study at home. Therefore, you should obtain a laptop as soon as possible. Please contact dbren@weiedu.org if you need to borrow a school laptop temporarily during lectures.

Student Provided Materials:

- **Personal Laptop:** Program enrolled students are required to have a laptop in order to conduct their program. Enrolled students should obtain their own laptop and install Revit Architecture 2011 as soon as possible.
- **Revit Architecture 2011 Student Download:** Students should download and license Revit Architecture 2011 to their laptop as part of the coursework for the class, through the Autodesk Education Community. Your instructor will provide a special link for you to download and license on the first night of class.
- 3 Ring Binder for nightly lecture notes.

Instructor

Brian Smith

Engineering Technology Instructor

Experience: Owner of Apex Contracting, providing multidisciplinary CADD services and training to engineering, architecture, and construction companies. Specializing in 3D services with Navisworks, Revit Architecture, and Civil 3D integration. Prior to consulting, Mr. Smith worked for 14 years in private civil engineering practice. Most recent experience was as a Senior Designer/CAD Manager for Perteeet.

Format:

Class Structure: Evenings will typically run in one-hour blocks as follows:

6:00 PM – Class setup and first hour
6:50 PM – Break
7:00 PM – Class
7:50 PM – Break
8:00 PM – Class last hour

Final Exam and Grades:

Students will be graded by attendance (50%) and by final exam (50%). The Instructor holds the sole authority to issue grades and shall issue grades based on a 4.0 schedule as follows.

Grading legend

4.0	A
3.7	A-
3.3	B+
3.0	B
2.7	B-

2.4	C+
2.0	C
1.7	C-
1.3	D+
1.0	D
0.7	D-

AU	Class audited with no grade earned
EXP	Experiential credit granted per policy
EDU	Prior education credit granted per policy
I	Incomplete – Instructor Allows Extra Time to Complete
W	Withdrawn from class

July 2011 – Revit Architecture – CAD 211

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
				1	2	3
4	5 BIM 6:00-9:00 PM Revit Terminology Revit Interface Review Starting Revit Projects Viewing Commands	6	7 Drawing & Editing 6:00-9:00 PM Drawing Tools Editing Elements Modifying Tools	8	9	10
11	12 Levels & Grids 6:00-9:00 PM Setting up levels Importing CAD Files Creating Structural Grids Adding Columns	13	14 Doors & Windows 6:00-9:00 PM Adding Doors & Windows Loading from library Creating additional sizes	15	16	17
18	19 Floors & Sections 6:00-9:00 PM Creating floors Creating openings Creating building sections	20	21 Roofs 6:00-9:00 PM Roofs by footprint Setting up a roof plan Reference and work planes Roofs by extrusion Cleaning wall/roof intersections	22	23	24
25	26 Interiors 6:00-9:00 PM Duplicating Views Setting view display Adding furniture and fixtures Interior elevations	27	28 Construction Docs 6:00-9:00 PM Setting up sheets Placing and modifying views Printing sheets	29	30 Final Exam 9:00AM-NOON Final Exam required for class grade Otherwise considered a class audit.	



PO Box 483
 Custer WA 98240
admin@weiedu.org
 (360) 739-1428

Class Registration Form 2010 v2.0

Returning students with a Student ID do not need to fill out the gray portions of this form.

Name	
Address	
Phone	
Email	

Class Requested	CAD 211 – Revit Architecture – Level I
Class Month / Date	July 2011

WAC 490-105-160 – State Licensed School Reporting Requirements:

Student ID #		
SSN #		
Date of Birth		
Gender		
Disability	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Race	<input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black/African American <input type="checkbox"/> Hawaiian Native or Pacific Islander <input type="checkbox"/> Hispanic <input type="checkbox"/> White/Caucasian <input type="checkbox"/> Multi-racial <input type="checkbox"/> Other	
Prior Education	<input type="checkbox"/> Less than high school graduation <input type="checkbox"/> GED <input type="checkbox"/> High School Graduate <input type="checkbox"/> Post H.S., no degree or certificate <input type="checkbox"/> Associate Degree <input type="checkbox"/> Bachelor Degree <input type="checkbox"/> Master or Doctorate Degree	GED Year _____ Graduation Year _____ Graduation Year _____ Graduation Year _____ Graduation Year _____
Name of Last School Attended		

Student Signature

Date